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1 Capturing experience: a matter of contextualising events
    Frank Nack
    November   **ETP '03:** Proceedings of the 2003 ACM SIGMM workshop on
    2003   Experiential telepresence
    Publisher: ACM
    Full text available: 📄 Pdf (415.46   Additional Information: full citation, abstract, references, index
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    Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 47, Citation Count: 0

    This paper explores the notion of experience in the context of dynamic and
    interactive environments, such as web-based musea, where neither the individual
    user requirements nor the requested material can be predicted in advance. A
    definition of experiences ...

    Keywords: context, emotions, experiential systems, representation of events

2 Enabling knowledge representation on the Web by extending RDF schema
    Jeen Broekstra, Michel Klein, Stefan Decker, Dieter Fensel, Frank van Harmelen, Ian
    Horrocks
    April   **WWW '01:** Proceedings of the 10th international conference on World Wide
    2001   Web
    Publisher: ACM
    Full text available: 📄 Pdf (124.76   Additional Information: full citation, references, cited by, index
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    Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 60, Citation Count: 17

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3 The disambiguation of nominalizations

Maria Lapata

September 2002 **Computational Linguistics** , Volume 28 Issue 3

Publisher: MIT Press

Full text available: Pdf (471.69 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 66, Citation Count: 11

This article addresses the interpretation of nominalizations, a particular class of compound nouns whose head noun is derived from a verb and whose modifier is interpreted as an argument of this verb. Any attempt to automatically interpret nominalizations ...

4 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97:** Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: Pdf (4.21 MB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 434, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

5 Natural language processing for information retrieval

David D. Lewis, Karen Spärck Jones

January 1996 **Communications of the ACM** , Volume 39 Issue 1

Publisher: ACM

Full text available: Pdf (602.45 KB)

Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 349, Citation Count: 22

6 Embedding web-based statistical translation models in cross-language information retrieval

Wessel Kraaij, Jian-Yun Nie, Michel Simard

September 2003 **Computational Linguistics** , Volume 29 Issue 3

Publisher: MIT Press

Full text available: Pdf (381.29 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 231, Citation Count: 13

Although more and more language pairs are covered by machine translation (MT) services, there are still many pairs that lack translation resources. Cross-language information retrieval (CLIR) is an application that needs translation functionality of ...

7 Thumbs up?: sentiment classification using machine learning techniques

Bo Pang, Lillian Lee, Shivakumar Vaithyanathan

July 2002   **EMNLP '02: Proceedings of the ACL-02 conference on Empirical methods in natural language processing - Volume 10** , Volume 10

Publisher: Association for Computational Linguistics

Full text available: Pdf (188.16 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 63,   Downloads (12 Months): 409,   Citation Count: 96

We consider the problem of classifying documents not by topic, but by overall sentiment, e.g., determining whether a review is positive or negative. Using movie reviews as data, we find that standard machine learning techniques definitively outperform ...

8 Discourse segmentation of multi-party conversation

Michel Galley, Kathleen McKeown, Eric Fosler-Lussier, Hongyan Jing

July 2003   **ACL '03: Proceedings of the 41st Annual Meeting on Association for Computational Linguistics - Volume 1** , Volume 1

Publisher: Association for Computational Linguistics

Full text available: Pdf (138.44 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 40,   Citation Count: 15

We present a domain-independent topic segmentation algorithm for multi-party speech. Our feature-based algorithm combines knowledge about *content* using a text-based algorithm as a feature and about *form* using linguistic and acoustic cues ...

9 Automatic association of web directories with word senses

Celina Santamaría, Julio Gonzalo, Felisa Verdejo

September 2003   **Computational Linguistics** , Volume 29 Issue 3

Publisher: MIT Press

Full text available: Pdf (358.07 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 45,   Citation Count: 4

We describe an algorithm that combines lexical information (from WordNet 1.7) with Web directories (from the Open Directory Project) to associate word senses with such directories. Such associations can be used as rich characterizations to acquire sense-tagged ...

10 Corrigenda: a hierarchy-aware approach to faceted classification of object-oriented components

E. Damiani, M. G. Fugini, C. Bellettini

October 1999   **Transactions on Software Engineering and Methodology (TOSEM)** , Volume 8 Issue 4

Publisher: ACM

Full text available: Pdf (310.50 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 80,   Citation Count: 4

This article presents a hierarchy-aware classification schema for object-oriented code, where software components are classified according to their behavioral characteristics, such as provided services, employed algorithms, and needed ...

11 Computing curricula 2001

CORPORATE The Joint Task Force on Computing Curricula

September 2001   **Journal on Educational Resources in Computing (JERIC)** , Volume 1 Issue 3es

Publisher: ACM

Full text available: Html (2.78 KB), Pdf (613.63 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 150,   Downloads (12 Months): 1420,   Citation Count: 25

12 Approximate distance oracles

Mikkel Thorup, Uri Zwick

July 2001   **STOC '01:** Proceedings of the thirty-third annual ACM symposium on Theory of computing

Publisher: ACM

Full text available: Pdf (220.06 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 36,   Citation Count: 41

Let $G=(V,E)$ be an undirected weighted graph with $|V|=n$ and $|E|=m$. Let $k\ge 1$ be an integer. We show that $G=(V,E)$ can be preprocessed in $O(kmn^{1/k})$ ...

13 A resource-adaptive mobile navigation system

Jörg Baus, Antonio Krüger, Wolfgang Wahlster

January 2002   **IUI '02:** Proceedings of the 7th international conference on Intelligent user interfaces

Publisher: ACM

Full text available: Pdf (246.55 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 32,   Downloads (12 Months): 212,   Citation Count: 18

The design of mobile navigation systems adapting to limited resources will be an important future challenge. Since typically several different means of transportation have to be combined in order to reach a destination, the user interface of such a system ...

Keywords: mobile navigation, resource adaptivity, user adaptivity

14 A hierarchy-aware approach to faceted classification of objected-oriented components

E. Damlani, M. G. Fugini, C. Bellettini

July   **Transactions on Software Engineering and Methodology (TOSEM)** ,
1999   Volume 8 Issue 3
Publisher: ACM

Full text available: Pdf (310.25 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 93, Citation Count: 5

This article presents a hierarchy-aware classification schema for obje ct-oriented code, where software components are classified according to their behavioral characteristics, such as provided services, employed algorithms, and needed ...

Keywords: code analysis, component repositories, component retrieval, software reuse, user feedback

15 Using navigation data to improve IR functions in the context of web search

Mark H. Hansen, Elizabeth Shriver

October   **CIKM '01:** Proceedings of the tenth international conference on
2001   Information and knowledge management
Publisher: ACM

Full text available: Pdf (2.39 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 50, Citation Count: 4

As part of the process of delivering content, devices like proxies and gateways log valuable information about the activities and navigation patterns of users on the Web. In this study, we consider how this navigation data can be used to improve Web ...

Keywords: expectation-maximization algorithm, model-based clustering, proxy access logs, query clustering, web searching

16 Document structure

Richard Power, Donia Scott, Nadjet Bouayad-Agha

June 2003   **Computational Linguistics** , Volume 29 Issue 2

Publisher: MIT Press

Full text available: Pdf (498.41 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 96, Citation Count: 7

We argue the case for abstract document structure as a separate descriptive level in the analysis and generation of written texts. The purpose of this representation is to mediate between the message of a text (i.e., its discourse structure) and its ...

17 Enhanced web document summarization using hyperlinks

J.-Y. Delort, B. Bouchon-Meunier, M. Rifqi

August 2003   **HYPERTEXT '03:** Proceedings of the fourteenth ACM conference on Hypertext and hypermedia

Publisher: ACM

Full text available: Pdf (167.88 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 72, Citation Count: 12

This paper addresses the issue of Web document summarization. As textual content of Web documents is often scarce or irrelevant and existing summarization techniques are based on it, many Web pages and websites cannot be suitably summarized. We consider ...

Keywords: context, hyperlinks, summarization, web document

18 A framework for rapid development of multimodal interfaces

Frans Flippo, Allen Krebs, Ivan Marsic

November 2003   **ICMI '03:** Proceedings of the 5th international conference on Multimodal interfaces

Publisher: ACM

Full text available: Pdf (445.99 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 63, Citation Count: 7

Despite the availability of multimodal devices, there are very few commercial multimodal applications available. One reason for this may be the lack of a framework to support development of multimodal applications in reasonable time and with limited ...

Keywords: application frameworks, command and control, direct manipulation, multimodal fusion, multimodal interfaces

19 Nomadic radio: speech and audio interaction for contextual messaging in nomadic environments

Nitin Sawhney, Chris Schmandt

September 2000   **Transactions on Computer-Human Interaction (TOCHI)** , Volume 7 Issue 3

Publisher: ACM

Full text available: Pdf (648.76 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 183, Citation Count: 44

Mobile workers need seamless access to communication and information services while on the move. However, current solutions overwhelm users with intrusive interfaces and ambiguous notifications. This article discusses the interaction techniques developed ...

Keywords: adaptive interfaces, contextual interfaces, interruptions, nonspeech audio, notifications, passive awareness, spatial listening, speech interaction, wearable computing

20 Data remapping for design space optimization of embedded memory systems

Rodric M. Rabbah, Krishna V. Palem

May 2003   **Transactions on Embedded Computing Systems (TECS)** , Volume 2 Issue 2

Publisher: ACM

Full text available: Pdf (885.05 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 69, Citation Count: 11

In this article, we present a novel linear time algorithm for *data remapping*, that is, (i) lightweight; (ii) fully automated; and (iii) applicable in the context of pointer-centric programming languages with dynamic memory allocation support. ...

Keywords: Design space exploration, caches, compiler optimization, data remapping, embedded systems, memory hierarchy, memory subsystem

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